

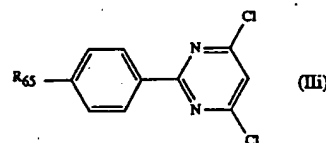
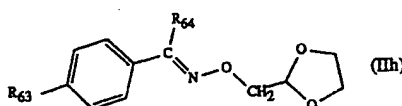
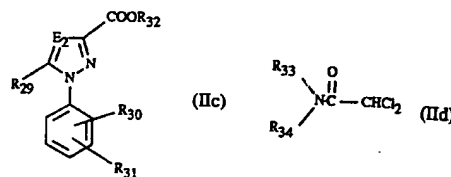
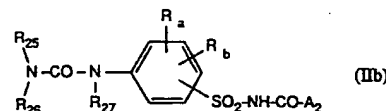
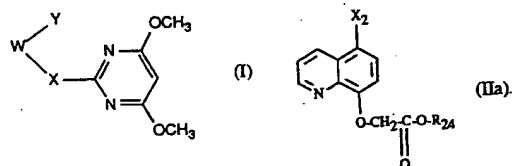


INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁵: A01N 43/54, 25/32 // (A01N 43/54 A01N 47:30, 43:90, 43:84 A01N 43:76)	A3	(11) International Publication Number: WO 94/00987 (43) International Publication Date: 20 January 1994 (20.01.94)
(21) International Application Number: PCT/EP93/01683 (22) International Filing Date: 30 June 1993 (30.06.93) (30) Priority data: 2148/92-8 8 July 1992 (08.07.92) CH 3007/92-6 25 September 1992 (25.09.92) CH 423/93-1 11 February 1993 (11.02.93) CH (71) Applicant (for all designated States except US): CIBA-GEIGY AG [CH/CH]; Klybeckstrasse 141, CH-4002 Basle (CH). (72) Inventors; and (75) Inventors/Applicants (for US only): GLOCK, Jutta [DE/CH]; Innere Eigenmatt 3, CH-4336 Kaisten (CH). KERBER, Elmar [DE/DE]; Niederwühl 131, D-7883 Görwühl (DE).		(74) Common Representative: CIBA-GEIGY AG; Patentabteilung, Klybeckstrasse 141, CH-4002 Basle (CH). (81) Designated States: AU, BB, BG, BR, BY, CA, CZ, FI, HU, JP, KP, KR, KZ, LK, MG, MN, MW, NO, NZ, PL, RO, RU, SD, SK, UA, US, VN, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i> (88) Date of publication of the international search report: 17 March 1994 (17.03.94)

(54) Title: SELECTIVE HERBICIDAL COMPOSITION**(57) Abstract**

A selective herbicidal composition for the control of grasses and weeds in crops of useful plants comprises (a) a herbicidally effective amount of a pyrimidine of formula (I), wherein the substituents are defined in claim 1 and (b) as safener a herbicide-antagonistically effective amount of a quinoline derivative of formula (IIa), wherein R_{24} is hydrogen or C_1 - C_8 alkyl and X_2 is hydrogen or chlorine; or of an N-acylsulfamoylphenylurea of formula (IIb), wherein the substituents are defined in claim 1, or of a 1-phenylazole-3-carboxylic acid derivative of formula (IIc), wherein the substituents are defined in claim 1, or of a chloroacetamide of formula (IId), wherein the substituents are defined in claim 1, or of an oxime of formula (IIh), wherein the substituents are defined in claim 1, or of a phenylpyrimidine of formula (IIi), wherein the substituents are defined in claim 1.



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INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 93/01683

I. CLASSIFICATION OF SUBJECT MATTER (If several classification symbols apply, indicate all) ⁶		
According to International Patent Classification (IPC) or to both National Classification and IPC Int.C1.5 A 01 N 43/54 A 01 N 25/32 //(A 01 N 43/54 A 01 N 47:30 A 01 N 43:90 A 01 N 43:84 A 01 N 43:76		
II. FIELDS SEARCHED		
Minimum Documentation Searched ⁷		
Classification System	Classification Symbols	
Int.C1.5	A 01 N	
Documentation Searched other than Minimum Documentation to the Extent that such Documents are Included in the Fields Searched ⁸		
III. DOCUMENTS CONSIDERED TO BE RELEVANT⁹		
Category ¹⁰	Citation of Document, ¹¹ with indication, where appropriate, of the relevant passages ¹²	Relevant to Claim No. ¹³
P,X	WO,A,9300010 (HOECHST AG) 7 January 1993 & EP-A-0521407 see page 1 - page 8, line 1 see page 13, lines 1,2 and page 13, penultimate line- page 15, penultimate paragraph see the examples see claims 1,4-11 ---	1-9,16- 18
Y	EP,A,0492367 (HOECHST AG) 1 July 1992 see page 2, lines 1-38, 53-56 see page 3, line 2 - line 15 see page 8, line 23 - page 9, line 8 ---	1-9,16- 18
Y	EP,A,0374839 (MITSUI TOATSU CHEMICAL INC.) 27 June 1990 see page 4, line 3 - line 26 see page 7, line 30 - line 40 --- -/-	1-3,9, 16-18
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>¹⁰ Special categories of cited documents :</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier document but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p> </div> <div style="width: 45%;"> <p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</p> <p>"&" document member of the same patent family</p> </div> </div>		
IV. CERTIFICATION		
Date of the Actual Completion of the International Search	Date of Mailing of this International Search Report	
04-11-1993	1 1. 02 94	
International Searching Authority	Signature of Authorized Officer	
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III. DOCUMENTS CONSIDERED TO BE RELEVANT (CONTINUED FROM THE SECOND SHEET)		
Category	Citation of Document, with indication, where appropriate, of the relevant passages	Relevant to Claim No.
Y,D	EP,A,0435170 (KUMIAI CHEM. IND. & IHARA CHEM. IND) 3 July 1991 cited in the application see page 3, line 1 - line 30 see line 29 - line 46 see pages 24-25, table 2-1, compounds no. 1-7,16,17 ----	4-6
Y	EP,A,0249707 (KUMIAI CHEM. IND.) 23 December 1987 see page 1 - page 3, line 22 see page 8, table 1, compounds 8-12 see page 31, line 21 - page 32 ----	7,8
A	EP,A,0436484 (MONSANTO COMPANY) 10 July 1991 see page 2, lines 10-30,40-47 -----	1-9,16-18

INTERNATIONAL SEARCH REPORT

International application No.

PCT/EP 93/01683

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. claims: 9 (complete); 1-8, 16-18 (partially)
 2. claims: 10, 11, 14, 15 (complete); 1-8, 16-18 (partially)
- See for further information Form PCT/ISA/206 dated 29/11/93.

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

9 (complete); 1-8, 16-18 (partially)

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

**ANNEX TO THE INTERNATIONAL SEARCH REPORT
ON INTERNATIONAL PATENT APPLICATION NO.**

EP 9301683
SA 76553

This annex lists the patent family members relating to the patent documents cited in the above-mentioned international search report. The members are as contained in the European Patent Office EDP file on 07/02/94
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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO-A- 9300010	07-01-93	AU-A- 2173692 EP-A- 0521407	25-01-93 07-01-93
EP-A- 0492367	01-07-92	AU-A- 8989791 CA-A- 2058284 JP-A- 4308508	25-06-92 22-06-92 30-10-92
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